

COURSE DETAIL

APPLIED MECHANICS 2

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Engineering Civil Engineering

UCEAP Course Number

15

UCEAP Course Suffix**UCEAP Official Title**

APPLIED MECHANICS 2

UCEAP Transcript Title

APPLIED MECH 2

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course introduces the dynamics of particles and rigid bodies, focusing on kinematics and kinetics. The course explores motion characteristics, force applications, and analytical methods in the contexts of engineering applications, such as rigid body movements. This course serves as a cornerstone for learning advanced civil engineering dynamics, and the course materials integrate theoretical principles with practical applications.

Course Prerequisite: Calculus

Language(s) of Instruction

English

Host Institution Course Number

CIE1014

Host Institution Course Title

APPLIED MECHANICS 2

Host Institution Course Details

<https://course.ntu.edu.tw/en/courses/113-2/36307>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Department of Civil Engineering

Course Last Reviewed

2024-2025

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